

### Abstract of the Disclosure

A device for collecting data on small-arms usage that senses when a shot has been fired from a gun using its acceleration, acoustic noise or RF emissions; measures the interval between shots so that the firing rate may be determined; measures the time at which each shot has been fired; measures the temperature of the barrel when each shot is fired; stores any combination of temperature, firing rate, firing intervals and time data for subsequent analysis and has an electrical interface to transfer data from the device to a computer or other data collection device.